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The *FEMP MONTHLY UPDATE* is prepared expressly for the Department of Energy's Office of Federal Energy Management Programs (FEMP). The purpose of the *UPDATE* is to provide FEMP management staff with timely information on topics relevant to the program. This includes the status of pending Federal and state legislation and summaries of public and private sector energy-related activities. The *FEMP MONTHLY UPDATE* is prepared for FEMP by Energetics, Incorporated, (202) 479-2748.

DOE BULLETIN BOARD

Short Term Energy Outlook, Energy Information Administration (EIA), February 2003.

In the most recent monthly report, **EIA forecasts** that world oil markets will remain tight throughout 2003. U.S. crude oil supply is at the lowest since October 1975, from 4.5 million barrels to 270 million barrels. Oil prices are already \$35 per barrel. Average domestic production is expected to decrease by about 50 thousand barrels per day, making the level at the end of 2003 5.77 million barrels per day. This winter's cold weather, fear of war in Iraq, fear of a North Korean nuclear program, and the ongoing labor strike in Venezuela have driven prices to 40 percent higher than normal. Liquified natural gas (LNG) accounts for 0.1 percent of the market, but its demand will increase by eight percent this winter as the supply of oil decreases. In response to a shrinking oil supply, the Federal Energy Regulatory Commission is expanding LNG facilities.

(Additional sources: *Greenwire*, February 3, 2003, *Greenwire*, February 12, 2003; *Greenwire*, February 14, 2003)

WHAT'S NEW ON THE FEMP WEB SITE

The FEMP Web Site has a new address: www.eere.energy.gov/femp. The FEMP Web Site has been given a new look to make accessing information easier.

Buying energy-efficient products has a new niche on the FEMP web site. At www.eere.energy.gov/femp/procurement/index.html, a visitor can access product energy efficiency recommendations, interactive energy-cost calculators, and other resources to help in the purchasing of energy-efficient product. The site is useful for Federal purchases of ENERGYSTAR® and other energy-efficient products.

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CONGRESSIONAL ACTIVITIES

STATUS OF PENDING APPROPRIATION BILLS OF INTEREST TO FEMP

Refer to
 www.eere.energy.gov/femp/resources/initiatives.html – Legislative Databases

FY 2004 Budget Resolution This week, Senator Don Nickles (R/OK), Chair of the Committee on the Budget, provided new insight on plans for the FY 2004 non-binding budget resolution. He said he hopes to complete work by April 11 in advance of the Congressional spring recess. The House, under the direction of his counterpart, Representative Jim Nussle (R/IA), plans to follow a similar schedule. In his remarks, Chairman Nickles said he would be reviewing the entire Federal budget for opportunities to reduce spending and that he may also pursue new funding caps to keep Federal funding growth in check.

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HOUSE

Renewable Energy on Federal Lands During a February 26 hearing on the FY 2004 Budget Request, Gail Norton, Secretary of the Department of the Interior, testified before the Subcommittee on Interior and Related Agencies. She told the committee that the President has established a "special emphasis" on the development of renewable energy resources on Federal lands by requesting \$2 million in FY 2004 (this represents a \$100,000 increase over **FY 2003**). In response to her remarks, Representative Zach Wamp (R/TN) questioned the special emphasis remark by saying "That's just really, really, really small.... At what point are we going to get serious on renewable energy sources? We really need to do more." Ms. **Norton responded that the Department of Energy has lead responsibility for the Federal** Government's renewable energy initiative on Federal lands and that her Department's budget would be used primarily to process applications for development.

DID YOU KNOW?

FEMP Director Beth Shearer will be the featured speaker at the Building Museum's lecture, Showcasing Sustainable Technology in Federal Buildings, on March 6, profiled below In addition, DOE's Drury Crawley will demonstrate the department's new database of building case studies.

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STATUS OF PENDING AUTHORIZATION BILLS OF INTEREST TO FEMP

Refer to
 <u>www.eere.energy.gov/femp/resources/initiatives.html</u> – Legislative Databases

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HOUSE

Comprehensive Energy Legislation

Representative Joe Barton (R/TX), Chair of the Subcommittee on Energy and Air Quality (Committee on Energy and Commerce), is **expected to release today a new draft bill for comprehensive energy legislation.** Reports indicate that the bill will be similar to the one introduced in the House during the last Congress, except this bill will also include a section on utility restructuring. In the 107th Congress, only the Senate bill included a utility restructuring provision.

SENATE

Comprehensive Energy Legislation On February 26, Senator Pete Domenici (R/NM), Chair of the Committee on Energy and Natural Resources, released a statement regarding the current increase in oil and natural gas prices. In his remarks, he referred to rumors of price gouging and, instead, blamed insufficient production of oil and gas and rising demand as the problem. Testimony was received by officials from the oil and gas industry. Senator Domenici said:

I am extremely skeptical that there is any truth to these allegations. Experts who testified before the Senate Energy committee yesterday agreed that oil and gas supplies are tight because consumer demand is up, U.S. production is down and inventories are at record lows. In a free market, when demand is up and supplies are down, prices soar.

The witnesses at yesterday's [hearing] agreed that prices will remain high until additional supplies are provided or demand declines.

Insufficient production is our core problem; allegations and rumors are just a temporary distraction. If we want to stabilize energy prices, we must produce more energy.

The Senator concluded his remarks with the following statement:

I am committed to passing a comprehensive energy bill that will provide affordable, reliable and clean energy for all Americans. At the very least, we must give the President an energy bill that will increase our own domestic production.

Meanwhile, the committee submitted its "views and estimates" to the Committee on the Budget regarding the President's FY 2004 Budget Request. The views and estimates signal the committee's plans to develop comprehensive energy legislation that would include the generation of revenues (e.g., opening the Artic National Wildlife Refuge to drilling), which should be reflected in the Committee on the Budget's final Budget Resolution.

Assessing Renewable Energy on Federal Lands During a February 27 hearing before the Committee on Energy and Natural Resources, Department of the Interior Deputy Secretary J. Steven Griles testified on the government's plans to increase production of energy on Federal lands. In his testimony, Mr. Griles referred to the President's National Energy Policy and spoke about the President's plans to increase access to renewable energy on Federal lands. His remarks included the following:

Most media coverage focuses on the production of traditional energy sources in the National Energy Policy, but increased energy conservation and alternative and renewable sources are also critical components of the President's balanced, comprehensive policy. Good stewardship of resources dictates that we use energy efficiently and conserve resources....

Alternative and renewable sources of energy can also play an important role in helping meet our increased energy needs. To this end, the National Energy Policy encourages development of a cleaner, more diverse portfolio of domestic energy supplies. The Policy includes measures to aid in the development and expansion of renewable energy technologies in use today, including geothermal, wind, solar, and biomass, as well as continued research into using hydrogen as an alternative energy carrier. Such diversity helps to ensure that Americans will continue to have access to the energy they need....

Renewable and alternative energy sources are currently considered a ""step" energy technology, but they can be an important component to a diversified domestic energy portfolio especially for addressing distributed energy and peak demand needs. At the Department of the Interior, Secretary Norton has convened two conferences focused on renewable resources.

As part of its efforts to advance the President's National Energy Policy, the BLM [Bureau of Land Management] recently released a joint report with the Department of Energy that identifies and evaluates renewable energy resources on public lands. The BLM will use the report's findings to prioritize land-use planning activities, and to increase the development and use of renewable energy resources on public lands.

Refer to the section "Studies, Reports, and Analyses" in this newsletter regarding the recent report, *Assessing the Potential for Renewable Energy on Public Lands*, which was coordinated by FEMP.

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NEW LEGISLATIVE INITIATIVES OF INTEREST TO FEMP

➤ See Attachment A – New Legislation of Interest to FEMP

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HEARINGS OF INTEREST OF FEMP

➤ See Attachment B – Hearings of Interest to FEMP

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FEDERAL AGENCY ACTIVITIES

DEPARTMENT OF DEFENSE (DOD)

The Army has announced plans to award a sole -source contract to Arizona Public Service to

develop Photovoltaic energy and alternative energy sources. The project, to be funded under a cooperative research and development agreement, will focus on the upgrade of a solar/wind hybrid power plant at the Yuma Proving Ground in Arizona. For more information on Solicitation Number DABJ49-03-T-0022, contact Cynthia Ford at 928-328-6348.

Kirkland Air Force Base in New Mexico is seeking experts in the field of manufacturing and design to support the Air Force's work in thin film solar cell/solar array program. The initiative will focus on the reduction and program definition functions for the Flexible Thin Film Photovoltaic Program. Contact Andrea Stone about Solicitation Number F29650-03-T-0027a at 505-846-4579.

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DEPARTMENT OF ENERGY (DOE)

In late February, DOE's National Energy Technology Laboratory (NETL) planned to post a new solicitation to support the development of energy efficient building equipment and envelope technologies for the agency's Office of Building Technologies Program. The focus will be on research and development for technologies for the residential and commercial sector. The objective is to "accelerate high-payoff technologies that, because of their risk, are unlikely to be developed in a timely manner" without the benefit of a Federal-private sector partnership. Funding will be determined according to: 1) technology category, 2) building type, and 3) time of commercialization. NETL is particularly interested in funding projects involving whole buildings (building performance and zero energy), lighting, space conditioning equipment, building envelope, and appliances. For additional information, refer to the DOE procurement web site, e-center.doe.gov on or about February 28, 2003.

DOE's Office of Energy Efficiency and Renewable Energy has announced this year's cycle of financial assistance under the State Energy Program (SEP) advance energy efficiency and renewable energy technologies. This year's categories include: Clean Cities Program (\$5 million), Industrial Technologies (\$2 million), Building Codes and Standards (\$1.650 million), Rebuild America Program (\$3 million), Building America Program (\$300,000), Federal Energy Management Program (\$500,000), Solar Technology Program (\$250,000), State Wind Energy Support (\$205,000), Distributed Energy and Electric Reliability (\$1.6 million), Geothermal Outreach (\$300,000), Biomass (\$600,000), and Residential Deployment (\$500,000), For more information, refer to the DOE procurement web site at e-center.doe.gov.

The Department of Energy is conducting an independent study of the Federal Energy Regulatory Committee's proposal for a Standard Market Design as required by the FY 2003 Omnibus Appropriations bill. Secretary of Energy Spencer Abraham has assigned lead responsibility for the study to Under Secretary Robert Card with support from Deputy Secretary Kyle McSlarrow. Senate Committee on Energy and Natural Resources Chair Pete Domenici (R/NM) encouraged the Secretary to prepare an "unbiased" review. He said, "There is no more important issue in putting together [an energy bill] than standard market design." DOE is required to complete the report by April 30, 2003.

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GENERAL SERVICES ADMINISTRATION (GSA)

On February 20, GSA announced in the *Federal Register* the availability of annual reports regarding Federal agency motor vehicle acquisitions as required by the *Energy Policy Act of 1992*. Reports available for review begin with the 1999 report and include information on fuel type, vehicle classification, and number of vehicles required in the covered fiscal year. To view the reports, visit www.gsa.gov/fleetreports.

ATLANTA REGION

No news of interest to report.

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BOSTON REGION

No news of interest to report.

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CHICAGO REGION

No news of interest to report.

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DENVER REGION

Utility/DSM Activities

The Veterans' Administration is seeking a supplier of natural gas for the agency's Medical Center in Oklahoma City, Oklahoma. The agency intends to award a contract for one base year and two optional years beginning on February 1, 2003 and ending January 31, 2004. For more information on Solicitation Number 635-12-03, contact Gary Scott at 405-270-5111.

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PHILADELPHIA REGION

▶ Utility/DSM Activities

Dover Air Force Base in Delaware has announced plans to convert two existing buildings associated with the base's veterinary clinic to natural gas. The project will involve the installation of an underground natural gas pipeline and replacement of the boiler, air handler, air conditioner condensing unit, and domestic hot water heater. For more information on Solicitation Number F07603-03-R-0009, contact Langston Hines at 302-677-5208.

The General Services Administration is seeking proposals for the supply of electricity to Federal facilities located in the District of Columbia and the State of Maryland. The agency estimates an electrical load requirement of approximately two billion kWh per year; a 36-month contract is anticipated beginning in October 2003. Contact Ken Shutika at 202-260-9713 for additional information and refer to Solicitation Number GS-00P-03-BSC-0218.

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SEATTLE REGION

No news of interest to report.

STATE AND LOCAL GOVERNMENT ACTIVITIES

ATLANTA REGION

General State Activities

The North Carolina Utilities Commission (NCUC) recently approved state GreenPower program, which will offer consumers across the state electricity generated from renewable resources. Duke Energy Corporation, Carolina Power and Light Company, and Dominion North Carolina Power have already enrolled, and most municipal and cooperative systems may participate as well. The program, which will be launched within six months, will offer a mass market service to residential customers to provide electricity generated from landfill gas at a cost of \$4.00 per month for a 100kWh block. The program also packages a large volume service that will provide electricity generated from small hydro and animal waste at a cost of \$2.50 per month for a 100kWh block. (Sources: North Carolina Utilities Commission Order Approving NC GreenPower, Docket No. E-100, SUB 90; The Charlotte Observer, January 29, 2003)

The Georgia Public Service Commission approved an extra five million dollars in residential emergency heating bill assistance. The aid will be allocated to about 15,000 senior citizens and 60,000 low-income households; 30,000 customers remain on waiting lists to receive aid. (Source: *The Atlanta Journal-Constitution Knight Ridder/Tribune Business News*, February 5, 2003)

Status of Utility-Related Activities

The State of Arkansas is considering a repeal of the state's 1999 electric deregulation law. The House recently passed *HB 1114*, the *Electric Utility Regulatory Reform Act of 2003*; the Senate is waiting to take up the bill. Sponsors drafted the bill in response to a request by the Public Service Commission claiming that "the environment in the electric utility industry has changed, and it is in the public interest to continue regulating electric rates for the foreseeable future." Additionally, the commission stated that electric customers in the state may suffer from retail competition. (Sources: *Restructuring Today*, February 5, 2003; *HB 1114*; *Arkansas General Assembly web site*, www.arkleg.state.ar.us)

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BOSTON REGION

Status of Utility-Related Activities

Since Maine opened its electric market to competition in March of 2000, it has proven to be a success. The success is due, in part, to the fact that Maine aggregates ratepayers on a regional basis so that potential providers will be attracted to a larger "customer." While 90 percent of Maine's population has chosen standard offer service, those who have chosen to shop around for a supplier are generally those who want a "renewable" option and will pay higher prices for that option. Tom Welch, Chairman of the Maine Public Utility Commission, says of the system, "We will try to share our experience as broadly as possible, since we think that we will be better in the long run if all our neighboring markets are robust and healthy.... We believe that there are at least some elements of Maine's approach that may be worth emulating elsewhere." (Source: *Utilipoint international*, February 17, 2003)

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CHICAGO REGION

Status of Utility-Related Activities

Missouri State Senator Sarah Steelman (R) introduced legislation that will establish monthly energy adjustment rate schedules to help utilities recover costs from shifting fuel prices. The process for filing a rate change now requires that utilities account for the costs of delivering electricity, labor, fuels used to generate electricity, and other information. Critics believe that enacting this legislation may lead to increased regulatory oversight costs and higher consumer electric rates. The bill passed out of the Commerce and Environmental Committee and now awaits full Senate consideration. (Sources: *St. Louis Post-Dispatch*, February 7; *Missouri General Assembly Web Site*: www.moga.state.mo.us)

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DENVER REGION

General State Activities

A renewable portfolio standard bill is working its way through the Colorado state legislature. The bill would require investor-owned utilities to obtain eight percent of their electricity from renewable energy sources. The measure has received support around the state from various Colorado counties. (Source: *The Denver Post*, January 24, 2003)

Another bill, sponsored by Colorado Senator Peggy Reeves (D), working its way through the Colorado legislature would require that Xcel Energy reduce sales of electricity by one percent each year. This measure would allow Colorado electric customers to save more than \$1 billion by 2020. Utilities would assist customers in the development of energy efficiency programs and rebates for efficient appliances and lighting. Fred Stoffel, Xcel's Vice President of Policy Development, said that the utility should not force customers to reduce their energy demand. "Our customers are in the best position to determine whether it is worth their while to make investments in efficiency.... While Xcel Energy supports the wise use of energy, consumption decisions occur on the customer's side of the meter, and the utility should not be mandated to invest capital in efficiency equipment." (Source: *The Denver Post*, February 6, 2003)

▶ Status of Utility-Related Activities

Recently the Public Utilities Commission of Texas (PUCT) held a roundtable forum to discuss wholesale market design issues, including congestion management, preferred market designs, and stakeholder issues. The current model is criticized for lacking price signal expectations. Commissioner Julie Parsley expressed concern that the current system permits local congestion and hinders the siting of new generation. The commission will likely decide how to proceed with a new or changed wholesale market design by March or April of 2003. (Source: *Texas Electric Market Reporter*, January 26, 2003)

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PHILADELPHIA REGION

► General State Activities

Voters in Princeton, New Jersey, have chosen to allow the Princeton Municipal Light Department and Community Energy, Inc., to upgrade eight 40-k W wind turbines to two new 1.5-M W wind turbines at the Mount Wachusett wind farm. Construction will commence in August with the project going online by November of 2003. The plant will supply over 40 percent of the town's annual electric needs. Eric Blank, Vice President of Community Energy, Inc., said, "Hopefully Princeton's foresight will serve as a positive example for other New England communities searching for clean, locally available, and renewable alternatives to imported and polluting conventional hydrocarbon energy sources." (Source: *Business Wire*, February 12, 2003)

▶ Status of Utility-Related Activities

The Virginia House of Representatives is taking up legislation that would require utilities to receive permission from the State Corporation Commission to join a regional transmission organization (RTO) and eliminate Virginia's deadline for utilities to join an RTO. The sponsor of the bill, Harry J. Parrish (R), introduced the legislation to impede RTO expansion, as he believes that it may increase electric rates in Virginia. The bill also requires that any utility filing to join an RTO must present an "analysis of the economic effects of the transfer on consumers, including the effects of transmission congestion costs." (Sources: *Richmond Times*, January 26, 2003, and *Power Week Southeast*, January 27, 2003)

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SEATTLE REGION

General State Activities

The City of Fort Smith, Arizona, has installed ten solar-powered parking pay stations at the Chamber of Commerce building downtown. People now pay for a parking ticket at the pay station rather than depositing coins into meters. Deputy City Administrator Dean Kruithof said that the solar installations help improve the appearance of streets. The city has also placed two more solar parking pay stations at a city-owned parking garage. (Source: *Times Record* (Fort Smith, Arizona) February 21, 2003)

The California Energy Commission is considering a vote to impose exit fees on business and home owners who have installed their own electric generation equipment. The fee would impose a levy on each kilowatt-hour of electricity the installation produces, thereby pushing back the amount of time needed for the owner to recover the costs of installing the equipment. The fees will be used to cover the costs of state electric purchases during the California power crisis, the bailout of the state's private electric utilities, and excessive electricity contracts entered during the power crisis, among other things. David Hochschild, Director of Programs for Vote Solar, said, "It's obviously going to be devastating to the solar industry.... California's the engine for the solar market." The fees, according to Carl Wood, a member of the Public Utilities Commission, will add "billions of dollars" to the cost of distributed generation in future years. (Source: *Environmental News Service*, February 12, 2003)

UTILITIES AND SUPPLIER ACTIVITIES

GENERAL ANNOUNCEMENTS

A new category for green power has emerged among energy suppliers: *dark* green power. Dark green power is derived from non-combustible renewable resources like the wind or sun. The new terminology is needed because utility green power programs are becoming more complex and prolific. In 2002, the percentage of utilities offering green power programs was 46 percent; the year prior, 30 percent of utilities offered green power programs. Analysts predict that by the end of 2003, 75 percent of all utilities will offer a mass-market green power program. (Source: *Transmission & Distribution World*, January 30, 2003)

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ATLANTA REGION

Restructuring Activities

New wind turbines at the Buffalo Mountain wind park in Tennessee will be installed to provide an additional 27 MW of wind energy to customers of the Tennessee Valley Authority. The wind power

will support the organization's Green Power Switch program, which is currently being offered by 49 of TVA's distribution utilities. The wind power will be produced under a 20-year power purchase agreement and will be sold in 150 kWh blocks for \$4 per month. (Source: *Green Power Marketing Monthly Update*, January 2003)

Public Benefits Programs

Georgia Power Co. will soon be offering green energy to two million residential and commercial customers at a premium. The program will most likely begin registering customers this summer and begin sending renewable energy generated electricity to customers approximately six to nine months afterwards. The cost for the renewable power will be \$6 per month for residential customers for a block of 100 kWh. The utility expects one percent of their customers to sign up for the service, despite the fact that more than 50 percent say that they will pay a premium for renewable energy. (Source: *The Atlanta Journal-Constitution Knight Ridder/Tribune Business News*, February 7, 2003)

This spring, customers of East Kentucky Power Cooperative will be offered power generated from a new 3.2 MW landfill-gas electric generating plant in Kentucky. The green power will support customers included in the EnviroWatts program. Customers can purchase 100 kWh blocks of greenpower for \$2.75 per month. (Source: *Green Power Marketing Monthly Update*, January 2003)

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BOSTON REGION

► Public Benefits Programs

Maine Interfaith Power and Light is now offering two green power products. Customers may choose by February of 2005 to purchase a blend from hydropower and wood-fired generation at a cost of 1.5 cents/kWh hour premium. Customers may also purchase green tags for a 2 cent/kWh premium on 1,000 kWh. This option does not require customers to switch electric providers because the Bonneville Environmental Foundation provides tags attributing power generated from wind and solar facilities located in the Pacific Northwest. (Source: *Green Power Marketing Monthly Update*, January 2003)

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CHICAGO REGION

No news of interest to report.

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DENVER REGION

Restructuring Activities

TXU Corp. and Dyess Air Force Base in Abilene, Texas, have signed the nation's largest renewable energy contract from a single buyer. TXU will provide 78 million kWh annually of wind power to fulfill an Executive Order for 2.5 percent renewable energy procurement annually. Lieutenant Colonel Darren Daniels, Civil Engineer Squadron Commander, said, "The more we dug, the more we found that we could go much higher than the Executive Order directed us." The base is procuring about "25 percent of what the Federal government is procuring for renewable energy." The City of Chicago held the previous renewable energy contract record. (Source: *The Dallas Morning News*, February 10, 2003).

PHILADELPHIA REGION

Restructuring Activities

Residential customers served by Niagara Mohawk can now receive electricity derived from wind and landfill gas. Customers who sign up will be assessed a 1.1 cent/kWh premium for the service. (Source: *Green Power Marketing Monthly Update*, January 2003)

Residential customers served by Community Energy can now receive electricity derived from hydropower and wind energy at a premium of 0.5 cents/kWh. (Source: *Green Power Marketing Monthly Update*, January 2003)

▶ Public Benefits Programs

The World Bank Group has purchased renewable energy to serve 10 percent of the energy use in its Washington, DC, offices. The renewable power, which will be distributed by Pepco Energy Services, will be comprised of six percent wind power and four percent landfill gas/biomass. Luis Descaire, Director of the General Services Department, says that "since 1995 the Bank's energy efficiency efforts have saved enough energy to power the country of East Timor for almost one year and eliminated the emissions equivalent of 10,000 cars." The U.S. Environmental Protection Agency recently named the World Bank best-in-class in terms of utility usage efficiency. (Source: *M2 Communications*, February 12, 2003)

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SEATTLE REGION

Restructuring Activities

To cover costs for an annual dam construction payment, the Bonneville Power Administration (BPA) will propose a 15 percent rate increase for electric customers, effective in October of this year. The increase will be in addition to an eight percent hike that will go into effect in April. The financially strapped BPA attributes its financial problems to the potential for drought, downturn in the economy, decreased electric demand, and lower-than-expected wholesale power prices. (Sources: *The Columbian*, February 7, 2003; *UtiliPoint IssueAlert*, February 11, 2003)

The Los Angeles Department of Water and Power (DWP) has plans to contract \$162 million to build 80 wind turbines on 22,000 acres near the High Desert community in Mojave. The Pine Tree Wind Project turbines will generate enough power to serve 100,000 homes. The plan is pending approval by the Los Angeles Water and Power Commission and the City Council. The turbine plan is an attempt to rectify poor management of the Green Power energy program. The wind project would raise the amount of city power derived from renewable resources from 2.2 percent to 3.7 percent. (Source: Los Angeles Daily News, February 5, 2003)

The Public Service Company of New Mexico, Xcel Energy, and El Paso Electric have filed a request with the New Mexico Public Regulation Commission to reconsider a ruling that would mandate the utilities to invest in renewable energy resources. The utilities asked that the rule instead allow their participation on a voluntary basis. The utilities believe that the December 17 ruling, which would require the three utilities to derive five percent of their electricity from wind, solar, water or geothermal by 2006, would cause electric rates to rise. The commission stood by its ruling, claiming that at least 12 other states, including Arizona, Texas, and Nevada, have passed similar renewable energy rules, and it has been the pivotal reason why renewable energy has been developed. The utilities may appeal the decision to the New Mexico Supreme Court. (Source: Albuquerque Journal, N.M. Knight Ridder/Tribune Business News, February 5, 2003)

PRIVATE SECTOR

GENERAL ANNOUNCEMENTS

GE Wind Energy, a subsidiary of GE Power Systems, expects the wind energy sector to continue its expansion with an emphasis on the United States, Europe, and Latin America. Currently GE has 5,500 installations with a rated capacity exceeding 3,000 MW. GE will introduce a new turbine in 2004; currently it has wind generators rated at 750 and 900 kWs and 1.5 MW available. (Source: *Industry Week Magazine*, January 20, 2001)

Lowe's Home Improvement Warehouse was joined by the U.S. Environmental Protection Agency's Administrator, Christie Whitman, to announce an increased commitment to ENERGYSTAR®. Part of Lowe's new commitment is a 20 percent sales increase of ENERGYSTAR® qualified products in 2003. Additionally, Lowe's educates customers about opportunities to save energy, as promoted on the ENERGYSTAR® web site, www.energystar.gov.

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PHILADELPHIA REGION

No news of interest to report.

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SEATTLE REGION

A housing complex in Santa Monica, California, is offering 44 low-cost apartments powered by 192 photovoltaic panels and a natural gas microturbine. The apartments are constructed with low-cost stucco and green materials like recycled cellulose insulation. The 400-square-foot apartments, with

monthly rent capped at \$378, received over three thousand applications. Colorado Court was designed by Pugh Scarpa Kodama and built by the nonprofit Community Corporation of Santa Monica. (Source: *The New York Times*, February, 13, 2003)

California Natural Projects, a natural food processor based in Lathrop, California, will begin to use a combined heat and power (CHP) system in February. JST Energy, a turnkey project developer, engineered, designed, and installed the CHP system. Encorp's Energy Management System will monitor the CHP system to ensure it acts as a supplement to Pacific Gas and Electric during peak loads or utility brownouts. The system, powered by a 1350 kW Deutz natural gas engine, is expected to generate more than 9.4 million kW hours each year. (Source: www.encorp.com, February 20, 2003)

Island Dodge, a car dealership in Maui, Hawaii, is installing a 32.4 kW solar array provided by ProVision Technologies of Hilo. The system will be grid connected and installed by Electrical Solutions Corporation of Kihei and used to offset daytime use of electricity. (Source: *Pacific Business News*, January, 29, 2003)

The Alameda County Agricultural Fair Association plans to install the largest rooftop array of photovoltaic panels in the world. The \$4 million, 1.6-MW system would operate on the grid, with excess power generated transferring to Pacific Gas and Electric (PG&E), the local utility. Through net metering, PG&E will give the Fair Association credit for the energy generated and charge for any power it takes from the grid beyond its credit. PG&E will administer state incentives to pay for half of the system's cost. The Fair Association will fund the rest of the project through a 15-year equipment lease. PG&E, Southern California Edison, and San Diego Gas and Electric are lobbying the California Public Utilities Commission for exit fees, a surcharge of two to five cents per kilowatt on electricity generated by private systems to help offset the multibillion dollar contracts the State of California entered during the energy crisis. (Source: *Argus*, February 23, 2003)

As part of the BP Solar system being offered to California homeowners, customers will be offered financing options, access to California Energy Commission rebates of up to half the purchase price, the BP Solar System Monitor that provides a digital readout of how much solar energy is being produced, and a Solar Savings Estimator to plan savings when a zip code and utility information is entered. The BP Solar System includes a solar electric photovoltaic module that converts the sun's light into a direct current, which the inverter converts into an alternating current to use in most homes and offices on the utility grid. (Source: *Environmental News Service*, February 21, 2003)

Advanced Thermal Systems (ATS) will build an 11-kW Kalina Cycle geothermal plant for the Redfield Campus of University of Nevada at Reno and Northern Nevada. The 30-year agreement between ATS and the University of Nevada will use geothermal technology as a heat and power source. After 10 years, the university system will have an opportunity to purchase the project. (Source: *Environmental News Service*, February 21, 2003)

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ALTERNATIVE FUELS AND VEHICLES

GENERAL ANNOUNCEMENTS

Ford Motor Company's Escape electric-gasoline hybrid will be available for government and corporate purchase by the end of 2003 and for private consumers by mid-2004. Ford projects sales of 20,000 to 30,000 hybrids annually. (Source: *Greenwire*, February 4, 2003)

ATLANTA REGION

No news of interest to report.

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BOSTON REGION

Infrastructure Activities

ENRG Fuels has received more than \$30 million in contracts from the Massachusetts Bay Transportation Authority for design, construction, and equipping of two natural gas fueling stations. The contracts, which extend for 10 years, also require operation and fueling services for the new stations, which will serve 250 natural gas buses, with fleet size increases expected. (Source: *CALSTART News Notes*, February 4, 2003)

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CHICAGO REGION

Infrastructure Activities

A new biodiesel production facility powered by soybeans began operation in Ralston, Iowa. The plant, owned and operated by a farmers cooperative, is one of 18 dedicated biodiesel production facilities in the U.S. (Source: *National Clean Bus Project Clean Bus Update*, January 2003)

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DENVER REGION

► Infrastructure Activities

Smithfield Foods will invest \$20 million to build two plants to convert hog waste into biodiesel. The company plans to build one plant at its farm in Milford, Utah, and another in a Southwestern state. (Source: *Greenwire*, February 24, 2003)

Aurora, South Dakota, is the site of a new VeraSun Energy ethanol production plant predicted to be one of the largest of its kind in the U.S. (Source: *EERE Network News*, February 12, 2003)

New Products and Services

Valero Energy Corporation has introduced ultra low sulfur diesel, which exceeds U.S. Environmental Protection Agency sulfur level restrictions to begin in 2006 and Texas Low Emission Diesel 2005 specifications. Valero has signed contracts to provide the fuel to Dallas Area Rapid Transit, Capital Metro, and Silver Eagle Distributors. (Source: *CALSTART News Notes*, February 13, 2003)

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PHILADELPHIA REGION

► AFV Fleet Acquisitions

Flexcar is adding 10 new Honda Civic hybrids to its Washington, DC, car-sharing fleet. With a grand total of 40 vehicles, the company, with partners Honda Motors and Washington Metropolitan Area

Transit Authority, provides consumers with an additional travel option to reduce reliance on private vehicles. (Source: *CALSTART News Notes*, February 4, 2003)

Arlington County, Virginia, has begun using biodiesel (20 percent biodiesel and 80 percent petroleum diesel) in 500 public vehicles, including school buses and garbage trucks. This biodiesel blend has proven to reduce emissions of particulate matter and hydrocarbons. (Source: *National Clean Bus Project Clean Bus Update*, January 2003)

The Federal Transit Administration is supporting a partnership between Washington Metropolitan Transit Authority and Georgetown University to put the university's fuel cell bus to the test on standard MetroBus routes. (Source: *National Clean Bus Project Clean Bus Update*, January 2003)

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SEATTLE REGION

► AFV Fleet Acquisitions

The City of Los Angeles has purchased more than 130 Prius hybrid-electric cars from Toyota Motor Sales U.S.A. The vehicle's popularity with city agencies prompted the fleet size increase and encourages possible further increases. Toyota also provides its customers with a training program in fleet service and maintenance. (Source: *CALSTART News Notes*, February 11, 2003)

► Infrastructure Activities

The National Ethanol Vehicle Coalition has awarded the California Department of Food and Agriculture and InterState Oil Company \$46,300 to develop an E85 (85 percent ethanol and 15 percent gasoline) fueling facility in Sacramento, California. The facility will be used to fuel 113 state vehicles and other, privately-owned vehicles that are able to run on E85. (Source: www.e85fuel.com/news/021303_cdfarelease/021303_cdfa_release.htm, February 13, 2003)

American Bio-Fuels, LLC, is building a biodiesel production facility in Bakersfield, California, that the company claims will be the country's largest. Production capacity is expected to be 35 million gallons annually, in comparison with 2002's nationwide total of only 15 million gallons. (Source: *EERE Network News*, February 26, 2003)

New Products and Services

North Ame rican Bus Industries has announced two advanced propulsion development projects involving the CompoBus. The project, in partnership with Sunline Transit District, entails modifying a natural-gas-fueled CompoBus to include a fuel cell, hybrid-electric drive system, and high-pressure hydrogen fuel. Another venture, with South Coast Air Quality Management District, involves development and demonstration of two buses with compressed-natural-gas-fueled hybrid-electric drives. (Source: *CALSTART News Notes*, January 31, 2003)

Ford's GreenLease program has allowed Fetzer Vineyards in Hopland, California, to obtain three Ford Ranger electric vehicles, with another on order. GreenLease offers lower payments than financing or purchasing and requires no down payment, making it easier for customers to obtain compressed natural gas, electric, ethanol, and propane vehicles. (Source: www.ccities.doe.gov/whats_new.shtml, February 2003)

Maui Recycling Service announced the debut of a 2000 Volkswagen Beetle diesel powered by 100 percent biodiesel (used cooking oil in this case), making it the first biodiesel rental car. (Source: www.ccities.doe.gov/whats_new.shtml, February 2003)

MEETINGS, CONFERENCES, AND TRAINING WORKSHOPS

- ➤ Refer to <u>Attachment C</u>– New Technologies
- ➤ Refer to Attachment D Calendar of Upcoming Events.

GENERAL ANNOUNCEMENTS

The Association of Energy Engineers offers online and distance-learning seminars. Upcoming courses include "Motor Management" on March 3, "Project Management for Engineering & Construction Projects" on March 17 and May 12, and "Performance Contracting 2003" on April 8, 2003. For more information, go to www.aeecenter.org/training or www.aeecenter.org/realtime.

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ATLANTA REGION

No new events of interest to report.

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BOSTON REGION

The General Services Administration is sponsoring a workshop, Energy Challe nges and Opportunities in the Public Sector, on March 12 in Boston, Massachusetts. Topics will include independent systems operators, distributed generation, energy procurement, and Pentagon security and renovation. For more information or to register, go to www.blsmeetings.net/workshops/Boston.

The Connecticut Clean Fuel Fund is sponsoring the Fuel Cell Investment Summit on March 17-18 in Uncasville, Connecticut. Topics include funding opportunities for fuel cell development and deployment, the business case for investing in fuel cells and transportation, and applications in the fuel cell industry. For more information, go to www.fuelcellis.com.

The CSRES Network is sponsoring the CERES 2003 Conference: Advancing Sustainable Governance on April 1-2 in New York, New York. The conference will concentrate on global climate change. For more information, go to www.ceres.org/conference/2003_main.htm.

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CHICAGO REGION

The University of Wisconsin's College of Engineering is holding a course, Fundamentals of Energy Auditing, on July 21-25 in Madison, Wisconsin. The course outlines efficient energy auditing techniques for small commercial and institutional buildings. For more information, go to https://www.energyideas.org/topics/default.cfm?s_qmr=10&s_qob=startdate%20desc&o=h,f,fs,t,ts,ds&c=h,f,13,t,11,-160.

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DENVER REGION

The National Renewable Energy Laboratory is sponsoring the 25th Silver Anniversary Symposium on Biotechnology for Fuels and Chemicals on May 4-7 in Breckenridge, Colorado. Topics will

include feedstocks, enzyme catalysis, the International Energy Agency, biomass pretreatment, and plant biotechnology. For more information or to register, go to www.nrel.gov/biotech_symposium.

BBI International is sponsoring the 19th Annual International Fuel Ethanol Workshop and Trade Show on June 16-19 in Sioux Falls, South Dakota. Topics will include "technology and services for improving production, product yields, and operation of an ethanol facility using grain, sugarcane, cellulosic materials, and other biomass feedstocks." Although the trade show section is sold out, for more information on the workshop go to www.bbiethanol.com/few.

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PHILADELPHIA REGION

The National Building Museum, as part of its Building for the 21st Century series, is presenting "Showcasing Sustainable Technology in Federal Buildings" on March 6 in Washington, DC. Officials from the Department of Energy's Federal Energy Management Program and Office of Building Technology, State and Community Programs will speak. For further information, visit www.nbm.org/Events/Calendar/Lectures_Symposia.html#showcasing.

The National Facilities Management and Technology Conference and Exposition is holding its third annual conference on March 18-20 in Baltimore, Maryland. For more information, visit www.nfmt.com.

The Earth Technology Forum is sponsoring the Conference on Climate Change and Ozone Protection on April 22-24 in Washington, DC. Topics include new vehicles, new fuels, fuel cells, energy efficiency, renewable energy, and building efficiency. For more information, go to www.earthforum.com.

The U.S. Green Building Council is sponsoring its Seventh Annual Federal Government Summit on April 29 in Washington, DC. Topics will include budgeting, tools, and overcoming barriers. For more information or to register, go to www.usgbc.org/events/federalsummit.asp.

Primedia is presenting the 18th Annual Electric Exposition and Conference on June 10-12 in Washington, DC. Product exhibitions, workshops, and spotlight sessions are expected to draw thousands of industry professionals. For more information, go to www.electricshow.com.

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SEATTLE REGION

Building Office and Management Association, Interface Flooring Systems, and Buildings Magazine are sponsoring a panel discussion, Satisfaction = Retention: The Tenant/Workplace Equation, on March 5 in Los Angeles, California. The panel will cover factors in office facilities including: tenant attraction and retention, interior elements essential for space planning and design, and green designs for high performance workplaces. For more information, go to www.interfaceflooring.com/flash/flash_C.html.

The Environmental Protection Agency is sponsoring the National Combined Heat and Power Turbine Technology and Regulatory Forum on March 5-6 in San Diego, California. Topics will include turbine technologies, regulatory developments, and output-based air emissions approaches. For more information or to register, go to www.epa.gov/chp/forum.htm.

The next Federal Utility Partnership Working Group (FUPWG) meeting will be held in Portland, Oregon, on April 22-23. FUPWG's topics will include energy legislation, legal perspectives on UESCs, interconnection issues, and the Bonneville Power Association's green program. For more information or to register, go to www.energetics.com/fupwg.html.

The Department of Energy is sponsoring the Ninth National Clean Cities Conference and Exposition on May 18-21 in Palm Springs, California. Topics will include alternative fuel vehicles (AFVs), hydrogen generation, and international markets for AFVs. For more information, go to www.ccities.doe.gov.

Eastern Oregon Renewable Energies Non-profit, Incorporated, is sponsoring the Fifth Annual SolWest Renewable Energy Fair on July 25-27 in John Day, Oregon. The conference covers renewable energy and independent/sustainable living topics. For more information, go to www.solwest.org.

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STUDIES, REPORTS, AND ANALYSES

SOLAR AND RENEWABLE ENERGY

Clean-Energy Trends 2003, Clean Edge, Inc., February 2003.

Despite slow growth in the industrial field, clean energy technologies are experiencing huge annual growth rates, from \$10 billion today to \$89 billion by 2012. Solar photovoltaics, wind power, and fuel cells for mobile, stationary, and portable applications are predicted to continue expansive growth over the next decade, largely due to venture investments. Clean Edge reports that, "Clean energy venture investments fared better, and now represent a larger percentage of total venture capital than ever before." A copy of the report is available at www.cleanedge.com.

Assessing the Potential for Renewable Energy on Public Lands, Department of Energy, November 2002.

Prepared by FEMP, the report assessed the potential of Bureau of Land Management lands in the West for development of renewable energy resources by the private sector. The bureau found 63 BLM planning units with the potential for one oe more renewable energy types and 20 with the potential for three or more. For more information, see the FEMP web page at www.eere.energy.gov/femp.

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ALTERNATIVE FUELS AND VEHICLES

Clean Diesel Market Assessment Study, J.D. Power and Associates, January 29, 2003.

According to the study, consumers prefer to purchase a clean diesel-powered vehicle over a gas-electric hybrid. In a scenario in which gasoline prices rise to \$2.50 per gallon, 56 percent would prefer diesel, while 38 percent would choose a hybrid, both of which feature better fuel economy than traditional vehicles.

*Green Book*TM: *The Environmental Guide to Cars & Trucks – Model Year 2003*, American Council for an Energy-Efficient Economy (ACEEE), February 2003.

The *Green Book* is designed to assist consumers interested in purchasing eco-friendly cars, trucks, and SUVs for the Model Year 2003. Every vehicle sold in the United States is given an overall "green score" and class ranking.

Transit Vehicle Database, American Public Transit Association, January 2003.

Transit agencies across the country report substantial increases in the number of alternative and advanced fuel powered buses, up to 6,763 as of January 1, 2003, from 773 nine years ago.

MISCELLANEOUS

Acquisition Management – Agencies Can Improve Training on New Initiatives, General Accounting Office, January 2003.

Tom Davis, Chair of the House Subcommittee on Technology and Procurement Policy (Committee on Government Reform), asked the General Accounting Office (GAO) to examine the strategies employed by Federal agencies to train employees involved in the acquisition of goods and services. Of particular interest to the subcommittee is how agencies operate in a changing business environment. GAO examined the training practices of several agencies including the Department of Defense, the General Services Administration, the National Aeronautics and Space Administration, and the Federal Aviation Administration. GAO found inconsistencies across agencies examined regarding the availability and quality of training and identified six "key elements" for effective acquisition training. Key elements include: 1) prioritize initiatives by identifying the most relevant to agency mission, 2) demonstrate top level commitment and provide resources, 3) identify staff and ensure training is provided, 4) tailor training to staff needs, 5) track who is trained, and 6) measure effectives of training to identify areas for improvement. To review the report, go to www.gao.gov/cgi-bin/getrpt?GAO-03-281.

High Risk Series - Federal Real Property, General Accounting Office, January 2003.

GAO has added Federal real property to the agency's category of "high risk" issues for analysis and monitoring. In the report, GAO states, "many [Federal] assets are in an alarming state of deterioration; agencies have estimated restoration and repair needs to be in the tens of billions of dollars. Compounding these problems are the lack of reliable government-wide data for strategic asset management, a heavy reliance on costly leasing instead of ownership to meet new needs, and the cost and challenge of protecting these assets against potential terrorism." To address this problem, GAO recommends the development of a comprehensive and integrated real property transformation strategy for identifying the best approach for the realignment and rationalization of Federal property and related issues such as leasing, disposal of property, real property data, etc. To view the report, visit the GAO web site at www.gao.gov/cgi-bin/getrpt?GAO-03-122.

Defense Infrastructure – Changes in Funding Priorities and Strategic Planning Needed to Improve the Condition of Military Facilities, General Accounting Office, February 2003.

GAO examined historical funding trends for the maintenance and repair of DOD facilities. The authors conclude that DOD continues to lack consistent facility data for the various military services; as a result, it remains difficult for Congress and DOD to direct funding to address facility requirements. GAO recommends the following:

- > Services implement one department-wide process to assess, rate, and validate facility conditions;
- ➤ DOD's facility strategic plan should include detailed information on specific actions, time frames, responsibilities, and funding levels;

- > DOD should clarify agency guidance by specifying the organizational level at which DOD's stated objectives should be achieved; and
- Each service should develop comprehensive performance plans.

To view the report, go to www.gao.gov/cgi-bin/getrpt?GAO-03-274.

The following two reports were prepared as a result of GAO's current "Performance and Accountability Series" initiative.

Performance and Accountability Series – Department of State, General Accounting Office, January 2003.

In this report, GAO examined and identified the most important issues the Department of State must now address regarding the security of overseas U.S. facilities and personnel. The report addresses a variety of security-related issues including the ongoing program to improve the security and maintenance of State Department diplomatic facilities. The authors report that the department initiated in 1998 its largest overseas construction program to increase security; the agency anticipates spending \$16 billion or more over the coming years for facility replacement projects. Some of the security enhancements being employed by the department include shatter-resistant window film, exterior lighting, and antiforced-entry windows and doors. The authors found that the Department of State has "instituted fundamental reforms and operational changes in its construction program, including cutting costs of planned construction projects, using standard designs, and reducing construction duration through a 'fast track' process." One technique used to accomplish this is the establishment of an industry advisory panel to advise the Department on the planning and design of new facilities. To view the report, go to the GAO web site at www.gao.gov/cgi-bin/getrpt?GAO-03-107.

Performance and Accountability Series – Department of the Interior, General Accounting Office, January 2003.

GAO examined a number of Department of the Interior "challenges," including the agency's deferred maintenance backlog for facilities and infrastructures. This includes 16,000 permanent structures, 1,500 water and wastewater systems, and 200 solid waste operations. The authors reveal, for example, that the National Park Service has an estimate of between \$4.08 billion and \$6.8 billion in deferred maintenance projects. GAO states that the Park Service has not prepared an accurate assessment or defined the scope of the agency's maintenance needs. As a result, the agency's "condition and utility" of its assets continue to deteriorate. As a result of Congressional demand, the National Park Service is implementing a new asset management system to prepare and assess the inventory of agency assets and create a system-wide methodology for estimating deferred maintenance costs. To view the report, visit the GAO web site at www.gao.gov/cgi-bin/getrpt?GAO-03-107.

ATTACHMENT A NEW LEGISLATION OF INTEREST TO FEMP

HOUSE

Number		Short title	Date	Sponsor	Status
H.R. 799		Putting the Pedal to the Metal: Accelerating the Energy Independence of America Act of 2003	February 13	Robert Filner (D/CA)	Referred to the Committee on Ways and Means
	Key Provisions:	production of mo Provides alternati applicable percen	tor vehicles ive fuel vehi tage of aggr	powered by alternative cle manufacturing creditegate amount paid or in or production of motor	fuels its that are equal to curred by taxpayer during
H.R. 671		Renewable Energy Production Incentive Reform Act	February 11	Mary Bono (R/CA)	Referred to the Committee on Energy and Commerce
	Key Provisions:	Energy Production Revises existing p	on Incentive program to i	program nclude Indian Tribal Go	e until 2023 the Renewable overnments as qualified ered qualified renewable
H.R. 694		Residential Solar Energy Act of 2003	February 11	James McDermott (D/WA)	Referred to the Committee on Ways and Means
	Key Provisions:	capital to cover c Provides credits i exceed \$24 billio 2007 to qualified Establishes qualified of any qualified r cells on property	osts of insta n the form on n to be alloo utilities fied solar en residential pr under follow	Illing residential solar er of national Residential Stated by the DOE during ergy loans to be provide roperty for purchase and wing conditions:	ide an interest-free source of nergy equipment solar Energy Bonds, not to g 2004, 2005, 2006, and ed without interest to owner d installation of photovoltaic ansmitted for use by others,
		 Net elect Owner re electricity Principal and Loan is n 	ricity produce eceives credity y produced, amount of I	ced or consumed at residut against future electric	dential property is metered, ity consumption for excess installments over 15 years,
H.R. 790		Home and Farm Wind Energy Systems Act	February 13	Tom Cole (R/OK)	Referred to the Committee on Ways and Means

Number		Short title	Date	Sponsor	Status
		of 2003			
	Key	Allows credits ed	qual to 30 p	ercent (10 pe	rcent after December 31, 2013) of
					qualified wind energy property placed in
					pplicable to property placed in service
		or installed after			
H.R. 804		Biomass	February		•
		Energy Equity	13	(R/CA)	on Ways and Means
	Key	Act of 2003	rnal Royen	ue Code of 10	986, to extend and modify placed-in-
		service rules for			700, to extend and mounty placed-in-
	110visions.				mass facilities and facilities using
		biomass other tha			E .
		Applies to electri			nactment
H.R. 837		Fuels	February	Colin Peters	son Referred to the Committee on
		Security Act	13	(D/MN)	Energy and Commerce
		of 2003			
	Key				ethyl tertiary butyl ether from U.S. fuel
	Provisions:	energy independe		on and use of	renewable fuel, and to increase Nation's
				FPA shall red	gulate gasoline sold and dispensed
					age basis, applicable volume of
		renewable fuel is			G. com, aff
				s of gallons)	
		2004	2.3		
		2005	2.6		
		2006	2.9		
		2007	3.2		
		2008	3.5		
		2010	4.3		
		2010	4.7		
		2012	5.0.		
		If EPA does not percentage of gas	_	_	ons, applicable percentage on a volume in 2004.
		E 2004 4	1 201/	2.4 E	T.C. C. A.L. C. CETAN 1.11
			_		Information Administration (EIA) shall g to determine if there are excessive
		seasonal variation			
		scusonar variation	is in use of	Tenewaoie it	ieb.
		DOE shall compl	lete study a	ssessing whet	ther renewable fuels requirement
			-	_	ificant adverse consumer impacts in
		2004, on national	l, regional	or state basis.	
		Dy Doombon 1	2005 and	nnuelly, 4h a	nofter EIA shall conduct assess to
					eafter, EIA shall conduct survey to gasoline containing ethanol;
					conventional gasoline containing
				_	e containing renewable fuel. EIA shall
		submit report to 0		-	
		Each Federal age	ncy shall e	nsure that age	ency purchases of ethanol-blended

Number **Short title** Date **Sponsor Status** gasoline containing at least 10 percent ethanol rather than nonethanol-blended

gasoline, for use in vehicles used by agency that use gasoline.

Each Federal agency shall ensure that agency purchases for use in fueling fleet vehicles that use diesel fuel:

- Five years after enactment, biodiesel-blended diesel fuel that contains at least two percent biodiesel, rather than nonbiodiesel-blended diesel fuel
- Ten years after enactment, biodiesel-blended diesel fuel that contains at least 20 percent biodiesel, rather than nonbiodiesel-blended diesel fuel.

DOE shall establish program to provide loan guarantees by private institutions for construction of facilities for processing and conversion of municipal solid waste into fuel ethanol and other commercial byproducts.

EPA shall conduct and publish monthly the results of survey of renewable fuels consumption in the motor vehicle fuels market in U.S. Information collected to include on national and regional basis: quantity of renewable fuels produced; cost of production; cost of blending and marketing; quantity of renewable fuels blended; quantity of renewable fuels imported; and market price data.

Federal Reformulated Fuels Act of 2002

Prohibits use of MTBE 4 years after enactment

Eliminates the oxygen content requirement for reformulated gasoline.

Requires EPA to conduct study on fuel additives and blendstocks to assess effects on public health, air quality, and water resources of increased use of, and feasibility of using as substitutes for methyl tertiary butyl ether in gasoline ethyl tertiary butyl ether; tertiary amyl methyl ether; di-isopropyl ether; tertiary butyl alcohol; other ethers and heavy alcohols, as determined by EPA, ethanol; isooctane; and alkylates

Directs EIA to submit to Senate Committee on Environment and Public Works and House Committee on Energy and Commerce, report describing results of these studies

EPA and DOE conduct Fuel System Requirements Harmonization study of Federal, state, and local requirements relating to reformulated gasoline, volatility, oxygenated fuel, and diesel fuel; and other requirements that vary from state-tostate, region-to-region, or locality-to-locality. Study to assess effect of variety of requirements described on supply, quality, and price of motor vehicle fuels available regarding national, regional, and local air quality standards and goals and related environmental and public health protection standards and goals; effect of Federal, state, and local motor vehicle fuel regulations, including multiple motor vehicle fuel requirements; effect of the requirements on emissions from vehicles, refineries, and fuel handling facilities; feasibility of developing national or regional motor vehicle fuel slates for the 48 contiguous states that, while protecting and improving air quality at the national, regional, and local levels, could enhance flexibility in the fuel distribution infrastructure and improve fuel fungibility; reduce price volatility and costs to consumers and producers; provide increased liquidity to the gasoline market; and enhance fuel

Number	Short title	Date	Sponsor	Status
	quality, consist	tency, and su	ipply; and feasib	oility of providing incentives, and need
	for development motor vehicle t		l standards neces	ssary, to promote cleaner burning
	for legislative a	and administ	trative actions fo	with results. and recommendations improving air quality; reducing costs g supply liquidity.
	to Congress re procurement po governmental u	port detailing olicies specif use of recycl	g each Federal ag fied in Executive	Services Administration shall submit gency's efforts to implement e Order No. 13101 (relating to 1 Executive Order No. 13149 (relating y).

SENATE

Number		Short title	Date	Sponsor	Status
S. 357		No Short Title	February 11	Blanche Lincoln (D/AK)	Referred to the Committee on Finance
	Key Provisions:		ventional so	ources to include produc	he credit for production of ction of fuel from
S. 358		No Short Title	February 11	Blanche Lincoln (D/AK)	Referred to the Committee on Finance
	Key Provisions:	fuel from noncon include landfill ga	ventional so as	ources and credit for pro	fy credit for production of oduction of electricity to city to production from
S. 359		Waste to Energy Utilization Act of 2003	February 11	Blanche Lincoln (D/AK)	Referred to the Committee on Finance
	Key Provisions:	Amends the <i>Inter</i> produced from m			ride credit for electricity
S. 360		No Short Title	February 11	Blanche Lincoln (D/AK)	Referred to the Committee on Finance
	Key Provisions:	Amends the <i>Inter</i> as 10-year proper			natural gas distribution lines
S. 361		Resource Efficient Appliance Incentives Act of 2003	February 11	Blanche Lincoln (D/AK)	Referred to the Committee on Finance
	Key Provisions:	Provides tax cred December 31, 20		ollowing energy efficient	nt appliances produced after
		refrigerat kWh per	ors produce year than th	d in 2003, which consu	with at least 1.26 MEF, or time at least 10 percent less standards for refrigerators ;

				~	
Number		Short title	Date	Sponsor	Status
		refrigerat	tors produc percent less	ed after 2002	uced in 2003, with at least 1.42 MEF or 2 and before 2007, which consume at ear than such energy conservation
			such energ		nsume at least 20 percent less kWh per ion standards and is produced after 200
S. 385		Fuels Security Act	February 13	Tom Daso	chle (D/SD) Referred to the Committee on Environment and Publi
	V ov	of 2003	m Air Actt	o oliminato i	Works
	Key Provisions:				methyl tertiary butyl ether from the U.S use of renewable fuel, and to increase the
	i i uvisiulis.	Nation's energy i	_		disc of renewable fuel, and to increase the
		••	•		the EPA shall regulate gasoline sold and
					an annual average basis, the applicable
		volume of renewa			
		Calendar year	(In billion	s of gallons)
		2004	2.3		
		2005	2.6		
		2006	2.9		
		2007	3.2		
		2008	3.5		
		2009	3.9		
		2010	4.3		
		2011	4.7		
		2012	5.0.	1 1	
		-		_	tions, the applicable percentage on a ll be 1.62 in 2004.
			olending to	determine w	and EIA will conduct a study of whether there are excessive seasonal
			result in si	gnificant adv	ther the renewable fuels requirement verse consumer impacts in 2004, on a
		survey to determine reformulated gase	ine market oline conta nd reformu	shares of: co ining ethano lated gasolir	nnually thereafter, EPA shall conduct onventional gasoline containing ethanolity; conventional gasoline containing ne containing renewable fuel. EPA to of the survey.
			t 10 percei	nt ethanol rat	y purchases of ethanol-blended gasoline ther than nonethanol-blended gasoline, nat use gasoline.
		Each Federal age vehicles that use			gency purchases for use in fueling fleet
					liesel-blended diesel fuel that contains a er than nonbiodiesel-blended diesel fue

Number Short title Date Sponsor Status

➤ Ten years after enactment, biodiesel-blended diesel fuel that contains at least 20 percent biodiesel, rather than nonbiodiesel-blended diesel fuel.

DOE will establish a program to provide loan guarantees by private institutions for construction of facilities for the processing and conversion of municipal solid waste into fuel ethanol and other commercial byproducts.

EPA will conduct and publish monthly results of survey of renewable fuels consumption in the motor vehicle fuels market in the U.S. Information collected to include, on a national and regional basis: quantity of renewable fuels produced; cost of production; cost of blending and marketing; quantity of renewable fuels blended; quantity of renewable fuels imported; and market price data.

Federal Reformulated Fuels Act of 2002

Prohibits use of MTBE four years after enactment

Eliminates oxygen content requirement for reformulated gasoline

Requires EPA To conduct study on fuel additives and blendstocks to assess effects on public health, air quality, and water resources of increased use of, and feasibility of using as substitutes for methyl tertiary butyl ether in gasoline ethyl tertiary butyl ether; tertiary amyl methyl ether; di-isopropyl ether; tertiary butyl alcohol; other ethers and heavy alcohols, as determined by then EPA, ethanol; iso-octane; and alkylates

EPA Administrator will submit to the Senate Committee on Environment and Public Works and the House of Representatives Committee on Energy and Commerce a report describing the results of these studies

EPA and DOE to conduct Fuel System Requirements Harmonization study of Federal, state, and local requirements relating to reformulated gasoline, volatility, oxygenated fuel, and diesel fuel; and other requirements that vary from state-to-ste, region-to-region, or locality-to locality. Study to assess effect of variety of requirements described on supply, quality, and price of motor vehicle fuels available regarding national, regional, and local air quality standards and goals and related environmental and public health protection standards and goals; effect of Federal, state, and local motor vehicle fuel regulations, including multiple motor vehicle fuel requirements; effect of requirements on emissions from vehicles, refineries, and fuel handling facilities; feasibility of developing national or regional motor vehicle fuel slates for the 48 contiguous States that, while protecting and improving air quality at the national, regional, and local levels, could enhance flexibility in fuel distribution infrastructure and improve fuel fungibility; reduce price volatility and costs to consumers and producers; provide increased liquidity to the gasoline market; and enhance fuel quality, consistency, and supply; and the feasibility of providing incentives, and the need for development of national standards necessary, to promote cleaner burning motor vehicle fuel.

Report to be submitted to Congress by June 1, 2006, with results and recommendations for legislative and administrative actions that may be taken to improve air quality, reduce costs to consumers and producers, and increase

Number		Short title	Date	Sponsor	Status
		supply liquidity.			
		Congress, report policies specified	detailing For the detailing Executives and Executives (a)	ederal agency efforts ve Order No. 13101 (es Administration to submit to to implement procurement (relating to governmental use of 19 (relating to Federal fleet and
S. 421	Key Provisions:	Renewable Energy Production Incentive Reform Act Amends the Energy Energy Production			Referred to the Committee on Energy and Natural Resources
	2 2 0 (2020 200	Revises existing	program to i	nclude Indian Tribal	Governments as qualified overed qualified renewable
S. 424		Tribal Energy Self- Sufficiency Act	February 14	Jeff Bingaman (D/NM)	Referred to the Committee on Indian Affairs
	Key Provisions:	Requires DOE's programs to assis development, pla Authorizes \$20 m tribes for use in cefficiency, and er supporting tribal construction, develectrical generation, and develop transmission facilities. DOE may provide and interest due of (including the plate electrical generation) are determination, programming, education Department promote to natural resource costs; and electrical generation of the benefit of the programming of the plate of the programming of the permits Indian tritransmission, or control of the programming of the permits Indian tritransmission, or control of the programming of the permits Indian tritransmission, or control of the programming of the permits Indian tritransmission, or control of the programming of the permits Indian tritransmission, or control of the programming of th	t Indian tribe tribal land tribe to lease distribution tribal tri	rese in meeting energy management needs for FY 2003-FY 200 renewable energy, no revation programs; studies of energy supplies, so peration, maintenance saion, and distribution truction, and intercord on Indian land with antees for not more that the lopment, construction and for transmission in land. If or FY 2003 - FY 200 or FY 200 or FY 2003 - FY 200 or FY 200 o	oses of an electric generation, to refine or otherwise process

Permits an Indian tribe to grant a right-of-way over tribal land for pipeline or an electric transmission or distribution line without separate approval by DOE in certain instances

Sponsor

Date

Within 2 years of enactment, and once every 2 years thereafter, DOE to submit to Senate Committees on Energy and Natural Resources and Indian Affairs and House Committees on Energy and Commerce and Resources, a report describing energy consumption and renewable energy development potential on Indian land; identifies barriers to the development of renewable energy by Indian tribes, including Federal policies and regulations; and makes recommendations regarding removal of those barriers

Status

Directs Bonneville Power Administration and Western Area Power Administration (WAPA) to encourage Indian tribal energy development

The Departments of Energy, Army, and Interior shall conduct study of cost and feasibility of developing demonstration project to use wind energy generated by Indian tribes and hydropower generated by the Army Corps of Engineers on the Missouri River to supply power to WAPA. Report to be submitted within 1 year of enactment describing results of study, including analysis of potential energy cost savings to WAPA customers through blend of wind and hydropower; evaluation of whether combined wind and hydropower system can reduce reservoir fluctuation, enhance efficient and reliable energy production, and provide Missouri River management flexibility; recommendations for demonstration project to be carried out by WAPA in partnership with an Indian Tribal Government or Tribal Government energy consortium to demonstrate feasibility and potential of using wind energy produced on Indian land to supply firming energy to WAPA or other Federal power marketing agency; and identification of economic and environmental benefits to be realized through such Federal-Tribal partnership; and manner in which partnership could contribute to energy security of U.S.

Authorizes \$20 million each for FY 2003 - FY 2005 for:

- ➤ Grants to units of local government, private, nonprofit community development organizations, and tribal economic development entities for use in improving energy efficiency; identifying and developing alternative renewable and distributed energy supplies; and increasing energy conservation in low-income rural and urban communities.
- Frants on competitive basis for investments to develop alternative renewable and distributed energy supplies; energy efficiency projects and energy conservation programs; studies and other activities to improve energy efficiency in low-income rural and urban communities; planning and development assistance for increasing energy efficiency of buildings and facilities; and technical and financial assistance to local government and private entities on developing new renewable and distributed sources of power or combined heat and power generation.

Amends the *Rural Electrification Act of 1936*, to include Indian tribes and tribal colleges and universities as eligible to receive rural and remote communities electrification grants

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Number

Short title

ATTACHMENT C NEW TECHNOLOGIES

For informational purposes only. Listing does not imply endorsement.

Technology	Manufacturer	Manufacturer's Claim	Contact				
	HVAC						
Megawatt in a Box Natural Gas-Fired Generator with Combined Heat and Power	Marson Energy	Captures heat from electric generation and uses it for heating or chilling	www.marsonenergy.com				
Head Pressure Controller	EDC International Inc.	Cuts energy use by adjusting the fan speed of the condenser	www.edcinternational.com				
Micro Cogeneration Unit	Polar Power Inc.	Reduces fuel consumption by using the engine to drive both the alternator and the air-conditioning compressor simultaneously; fuel consumption reduced by 50 percent over typical applications	www.polarpowerinc.com				
GeneSys TM Air-Cooled Chiller	McQuay	Efficiencies of 10.0 to 10.6 EER and up to 14.0 EER at part load	www.mcquay.com				
Benchmark TM Hot Water Boiler	AERCO International	Efficiency of boiler increases as load decreases due to inverse efficiency curve	www.aerco.com				
SG12B Gas/Electric Unit	Excel Comfort Systems	12-SEER Cooling Efficiency; Heating Operation of 80 percent AFUE	www.csi.com				
	Lighting						
Bio-Fighter® XL Commercial UV-C Series Light System	Dust Free Inc.	Output increased by over 40 percent	www.dustfree.com				

Technology	Manufacturer	Manufacturer's Claim	Contact
WN-100 Motion Sensor Nightlight	The Watt Stopper	Highly efficient; consumes marginal amount of energy	www.wattstopper.com
Centium Electronic Ballast	Advance Transformer Co.	Features programmed rapid-start lamp ignition, optimizing lamp life	www.advancetransformer.com
260 Series Fixture	Lighting Services Inc.	Uses energy efficient MR16 bi-pin lamp (up to 71W)	www.lightingservicesinc.com
Alien 02 Pendant Fixture	Martin Architectural	Employs 150W CDM lamp that lasts 6000 hours	www.martin-architectural.com
Optanium Ballast	Advance Transformer	Low-watt design with 0.78 ballast factor	www.advancetransformer.com
Prismatron HID Electronic B allast	Holophane	Continuous dimming option	www.holophane.com/us.asp
Apalio Series Fixture	Beta-Calco	Uses low-energy compact fluorescent lamp	www.betacalco.com/mainmenu.asp
RL Architectural Tubular Fluorescent Light	Waldmann Lighting	Uses energy-efficient T5 and T8 lamps	www.waldmannlighting.com
Calypso Asymmetric Task Light	Luxo Corporation	Uses energy-efficient, long-life 13-W compact fluorescent lamp; energy-saving ultra-compact electronic ballast built into the shade	www.luxous.com
		ENERGY MANAGEMENT TOOLS	
ISN Advantage Series DDC Controllers	York Engineered Systems	Includes flash memory, common operating system on all controllers, and modular I/O configuration; customizable for most HVAC control applications	www.york.com
CELite-XLS Software	Digital Energy Inc.	Users can analyze lighting audit data collected with a pocket PC	www.digitalenergy.com
MPVC Network Protector Communications Relay	Cutler-Hammer	Allows access to voltage, current, power, power factor, harmonics, and last trip information	www.cutler-hammer.eaton.com
Web/i Interface	ADI Integrated Technologies	Improves functionality and extends life cycle of EMS	www.adi-it.com/index.htm
Total Web Solutions	Electro Industries/GaugeTech (EIG)	Allows access to real-time power data via the Internet- from online substation monitoring to system-wide energy management	www.electroind.com

Technology	Manufacturer	Manufacturer's Claim	Contact
Valve-Tracker Maintenance Recorder	Hydra-Stop Inc.	Allows user to gather, store, and retrieve information on valves	www2.wateronline.com/Content/Prod uctShowcase/product.asp?DocID=%7 B54E571DB-EDE4-11D2-94BD- 00A0C9B3BDF2%7D&VNETCOOK IE=NO
InfoNet Management Information System	Wallingford Software Inc.	Enables users to integrate, clean, and analyze network data to provide up-to-date information and reports on network infrastructure and performance	www.wallingfordsoftware.com
Powergate Intelligent Lighting Management System	Ultrawatt Energy Systems, Inc.	Software and control device is more than 99 percent efficient	www.ultrawatt.com
PeerComm TM Peer-to-Peer Communications Protocol	Cooper Power Systems	Enables Cooper controls and relays to simultaneously share diagnostic information	www.cooperpower.com
Simplicity Series Digital Dimming System	Hunt Dimming	Multi-rated to control incandescent, fluorescent, low-voltage, and neon lights	www.huntdimming.com
Meridian Ultra Portable Power Quality Analyzer	Ametek Power Instruments	Captures and analyzes information on voltage sags and swells, high-frequency impulses, harmonics, transients, and other power distortions	www.ametek.com
PC15T Occupancy Sensor	Tork	Keeps lights off in occupied areas when other light sources are sufficient	www.tork.com
FM657 Tigermag EP Electromagnetic Flowmeter	Sparling Instruments, Inc.	Measures flows such as water, wastewater, and raw sewage	www.sparlinginstrumnets.com
Synergen Series TM Web- Architected EAM/CMMS Software Suite	Synergen, Inc.	Addresses asset reliability and maintenance; inventory control, purchasing, and contract management; operational accounting; reporting and analysis; project tracking	www.synergen.com
		MISCELLANEOUS	
Volcano Pool/Spa Heating System	Vertex International Inc.	Recovered heat is transferred to pool for free pool heating; heat recovery increases the efficiency	www.volcanopoolheat.com

Technology	Manufacturer	Manufacturer's Claim	Contact
Liberty Series 2000 SuperMAX Battery System	C&D Technologies	Designed for performance and extended battery life	www.cdtechno.com
Uni-Guard Diffuser Outlet Filtration System	Warren Technology	Utilizes high-efficiency, low-pressure loss filters	www.warrenhvac.com

ATTACHMENT D MEETINGS, CONFERENCES, AND OTHER EVENTS

NOTE: New events are highlighted in blue. DOE-sponsored events are highlighted in red.

ATLANTA REGION

DATE	EVENT	Sponsor
March 20-21, 2003	Brazil Energy 2003 Miami, FL	PowerMarketers
May 7-10, 2003	11 th Rinker International Conference on Destruction and Materials Reuse Gainesville, FL	Center for Construction and Environment
August 8-12, 2005	Solar World Congress 2005 Orlando, FL	International Solar Energy Society
August 17-20, 2003	Energy 2003 Orlando, FL	FEMP
November 12-13, 2003	World Energy Engineering Congress (WEEC) Atlanta, GA	Association of Energy Engineers
November 12-14, 2003	High Performance Facilities Expo 2003 Atlanta, GA	Association of Energy Engineers

BOSTON REGION

DATE	EVENT	Sponsor
March 12, 2003	Energy Challenges and Opportunities in the Public Sector Boston, MA	General Services Administration
March 12-15, 2003	Building Energy 2003 Boston, MA	Northeast Sustainable Energy Association
March 17-18, 2003	Fuel Cell Investment Summit Uncasville, Connecticut	Connecticut Clean Energy Fund
March 21-22, 2003	Integrated Design/Integrated Development, A Conference on Environmentally Responsible Development Durham, NH	New Hampshire Chapter of the American Institute of Architects
April 1-2, 2003	CERES 2003 Conference: Advancing Sustainable Governance New York, NY	CERES Network

DATE	EVENT	Sponsor
April 2-3, 2003	GLOBALCON 2003 Boston, MA	Association of Energy Engineers
May 27-30, 2003	14 th Global Warming Conference Boston, MA	Global Warming International Center
July 29-31, 2003	Waterpower XIII Buffalo, NY	HCI Publications
July 29-August 1, 2003	2003 ACEEE Summer Study on Energy Efficiency in Industry: Sustainability and Industry – Increasing Energy Efficiency and Reducing Emissions Rye Brook, NY	American Council for an Energy Efficient Economy
October 14-15, 2003	3 rd Annual Empire Energy and Environmental Exposition (E4) Albany, NY	Environmental Business Association of New York State, Inc.

CHICAGO REGION

DATE	EVENT	Sponsor
April 12-13, 2003	Living Green Expo St. Paul, MN	Minnesota Pollution Control Agency, Department of Natural Resources, Office of Environmental Assistance and many others
May 29-31, 2003	Sustainability Forum St. Paul, MN	EPA
July 21-25, 2003	Fundamentals of Energy Auditing Madison, WI	University of Wisconsin's College of Engineering

DENVER REGION

DATE	EVENT	Sponsor
May 4-7, 2003	25 th Silver Anniversary Symposium on Biotechnology for Fuels and Chemicals Breckenridge, CO	National Renewable Energy Laboratory
June 16-19, 2003	19 th Annual International Fuel Ethanol Workshop and Trade Show Sioux Falls, SD	BBI International
September 17-20, 2003	Architectural Engineering 2003: Building Integration Solutions Austin, TX	Architectural Engineering Institute
December 10-11, 2003	Business Energy Solutions Expo 2003 New Orleans, LA	American Council for an Energy Efficient Economy

PHILADELPHIA REGION

Date	Event	Sponsor
March 6, 2003	Showcasing Sustainable Technology in Federal Buildings, Washington, D.C.	National Building Museum
March 18-20, 2003	National Facilities Management and Technology Conference and Exposition, Baltimore, MD	National Facilities Management and Technology Conference and Exposition
March 30-April 1, 2003	National Green Building Conference Baltimore, MD	National Association of Homebuilders Research Center
April 22-24, 2003	The Conference on Climate Change and Ozone Protection Washington, DC	Earth Technology Forum
April 29, 2003	Seventh Annual Federal Government Summit Washington, DC	U.S. Green Building Council
April 30-May 2, 2003	EnvironDesign7 Washington, DC	IS Design and Green@work
April 30-May 2, 2003	CHP On the Move: Meeting State, Federal, and International Challenges Washington, DC	United States Combined Heat and Power Association
May 28-29, 2003	Fuel Cells Summit VII College Park, MD	Department of Energy
June 10-12, 2003	Electric Exposition and Conference	Primedia
October 12-14, 2003	2003 AIVC BETEC Conference: Ventilation, Humidity Control and Energy Washington, DC	Building Environment and Thermal Envelope Council
November 12 - November 14, 2003	2003 USGBC International Green Building Conference & Expo Pittsburgh, PA	U.S. Green Building Council

SEATTLE REGION

DATE	EVENT	Sponsor
March 5, 2003	Satisfaction=Retention: The Tenant/Workplace Equation Los Angeles, CA	Building Office and Management Association, Interface Flooring Systems and Buildings Magazine
March 5-6, 2003	National Combined Heat and Power Turbine Technology and Regulatory Forum San Diego, CA	Environmental Protection Agency
March 3-7, 2003	Energy Essentials Week San Francisco, CA	Energydynamics and Paradigm

DATE	EVENT	Sponsor
March 6-9, 2003	Natural Products Expo West Anaheim, CA	Expo West
March 15-18, 2003	International Solar Energy Conference Hawaii Island, HI	American Society of Mechanical Engineers
March 18-19, 2003	Southern California Plant Engineering and Maintenance Show Anaheim, CA	Penton Media, Inc.
April 22-23, 2003	Federal Utility Partnership Working Group Meeting Portland, OR	FEMP
May 7-9, 2003	23 rd Annual Utility Energy Forum Tahoe City, CA	Northern California Power Agency
May 12-13, 2003	Distributed Energy Resources for Federal Facilities Los Angeles, CA	Department of Energy
May 18-21, 2003	Ninth National Clean Cities Conference and Exposition Palm Springs, CA	Department of Energy
May 20-22, 2003	Eleventh National Conference on Building Commissioning Palm Springs, CA	PECI
May 29-31, 2003	The Sustainability Forum Portland, OR	Oregon Forest Resources Institute, Environmental Protection Agency and many others
June 1-4, 2003	2003 EEI Annual Convention/Expo Honolulu, Hawaii	Edison Electric Institute & Canadian Electricity Assoc
July 25-27, 2003	The Fifth Annual SolWest Renewable Energy Fair John Day, OR	Eastern Oregon Renewable Energies Non-profit, Inc.
September 17-18, 2003	West Coast Energy Management Conference San Diego, CA	Southern California Gas Company and Sempra Energy Utilities
October 12-15, 2003	Greening of Industry Network Conference: Innovating for Sustainability San Francisco, California	The Greening of Industry Network, the Environmental Protection Agency and Environment Canada
October 30, 2003	Sixth Annual Washington State Plant and Engineering and Maintenance Show Seattle, WA	Pro Shows